

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-28 (Canceled).

Claim 29 (Previously Presented): A method to create an individual user profile for an individual user from a multi-user profile that comprises a list of word-weight pairs, comprising:

at least once splitting said multi-user profile based on user features, wherein said multi-user profile comprises a combination of user profiles of all users of a consumer device, and wherein said user features include predetermined schemes or rules according to which said individual user of said consumer device makes selections in an application of said consumer device,

wherein said at least once splitting includes:

performing a tentative split according to said user features to generate a first and a second sub user profiles;

calculating a relative difference between said two sub user profiles;

performing said performing a tentative split and calculating said relative difference until all or a predetermined number of tentative splits are performed; and

splitting said multi-user profile according to that tentative split that yields the highest relative difference in case said relative difference lies above a predetermined threshold,

wherein said relative difference is calculated by calculating a difference of a first discrete probability distribution of said first sub user profile over said user features that are contained therein and of a second discrete probability distribution of said second sub user profile over said user features that are contained therein, and,

wherein said user features comprise one or more of the following features:

preferred channel of audio/video program consumed by said user,

typical time to consume an audio/video program by said user,

length of consuming an audio/video program by said user in relation to said total length of said audio/video program,

time of beginning said consuming of an audio/video program by said user in relation to a start time of said audio/video program,

typical length of consuming an audio video program by said user in relation to a time of consuming,

relation between how often a particular audio/video program is consumable and how often it is consumed by said user,

general audio/video program consuming behaviour of said user, in particular in relation to a switch-on time and length of a used audio/video device,

audio/video programs recorded by said user,

time duration between recording of a particular audio/video program by said user and consuming of said audio/video program by said user,

actual mood of said user,

actual wish of audio/video program entered by said user,

year of production of an audio/video program consumed by said user,

director and/or actor and/or group of actors of an audio/video program consumed by said user,

type of an audio/video program consumed by said user, and

title of an audio/video program consumed by said user.

Claims 30-31 (Canceled).

Claim 32 (Previously Presented): The method according to claim 29, wherein said difference of said two discrete probability distributions is calculated using a symmetrized Kulback-Leibler-distance sum, where events which happen zero times are replaced by one virtual occurrence or where only events which happen at least once in both distributions are taken into account.

Claim 33 (Previously Presented): A method to specify a suggestion for a next selection of a user, which suggestion is determined on a basis of suggestion results which are computed of future program descriptions and a user profile created by a method specified in claim 29, comprising:

filtering

a user history which is used to create the user profile, and/or

the user profile, and/or

the suggestion results

based on an actual situation of said user represented on the basis of user features that represent a typical general behaviour of an individual user in respect to said application where said user profile is used.

Claim 34 (Previously Presented): The method according to claim 29, wherein said general key structure includes a forgetting factor.

Claim 35 (Previously Presented): The method according to claim 29, wherein a future program comprises a stored personal contact.

Claim 36 (Previously Presented): The method according to claim 29, wherein said method is used in an audio/video program suggestion engine.

Claim 37 (Previously Presented): The method according to claim 36, wherein said audio/video program suggestion engine is internet based.

Claim 38 (Previously Presented): The method according to claim 29, wherein said method is client based.

Claim 39 (Canceled).

Claim 40 (Currently Amended): A computer program product ~~concludes~~ includes a computer storage medium, having computer readable instructions that when executed on a processor perform the method as defined in claim 29, said processor being included in a computer, micro processor, or digital signal processor, of a home server, set-top-box, TV, VCR, or PDA.

Claim 41 (Canceled).

Claim 42 (Previously Presented): A computer-implemented profiler to create a user profile that comprises a list of word-weight pairs, being configured to perform the method as defined in claim 29.

Claim 43 (Previously Presented): A suggestion engine to specify a suggestion for a next selection of a user, which suggestion is determined on the basis of suggestion results

which are computed of future program descriptions and a user profile, configured to perform the method as defined in claim 33.

Claim 44 (Previously Presented): A suggestion engine according to claim 43, including a profiler configured to perform computing the weights based on user features that represent a typical general behaviour of an individual user in respect to the application where said user profile is used.

Claim 45 (Currently Amended): A method to create an individual user profile for an individual user from a multi-user profile that comprises a list of word-weight pairs, comprising:

at least once splitting said multi-user profile based on user features, wherein said multi-user profile comprises a combination of user profiles of all users of a consumer device, and wherein said user features include predetermined schemes or rules according to which said individual user of said consumer device makes ~~selection~~ selections in an application of said consumer device,

wherein said at least once splitting includes:

performing a tentative split according to said user features to generate a first and a second sub user profiles;

calculating a relative difference between said two sub user profiles;

performing said performing a tentative split and calculating said relative difference until all or a predetermined number of tentative splits are performed; and

splitting said multi-user profile according to that tentative split that yields the highest relative difference in case said relative difference lies above a predetermined threshold,

wherein said difference of said two discrete probability distributions is calculated using a symmetrized Kulback-Leibler-distance sum, where events which happen zero times are replaced by one virtual occurrence or where only events which happen at least once in both distributions are taken into account, and,

wherein said user ~~feature~~ features comprise one or more of the following features:

preferred channel of audio/video program consumed by said user,

typical time to consume an audio/video program by said user,

length of consuming an audio/video program by said user in relation to said total length of said audio/video program,

time of beginning said consuming of an audio/video program by said user in relation to a start time of said audio/video program,

typical length of consuming an audio video program by said user in relation to a time of consuming,

relation between how often a particular audio/video program is consumable and how often it is consumed by said user,

general audio/video program consuming behaviour of said user, in particular in relation to a switch-on time and length of a used audio/video device,

audio/video programs recorded by said user,

time duration between recording of a particular audio/video program by said user and consuming of said audio/video program by said user,

actual mood of said user,

actual wish of audio/video program entered by said user,

year of production of an audio/video program consumed by said user,

director and/or actor and/or group of actors of an audio/video program consumed by said user,

type of an audio/video program consumed by said user, and  
title of an audio/video program consumed by said user.

Claim 46 (Currently Amended): The method according to ~~claim 29~~ claim 45, wherein said relative difference is calculated by calculating a difference of a first discrete probability distribution of said first sub user profile over said user features that are contained therein and of a second discrete probability distribution of said second sub user profile over said user features that are contained therein.

Claim 47 (Currently Amended): A method to specify a suggestion for a next selection of a user, which suggestion is determined on a ~~base~~ basis of suggestion results which are computed of future program descriptions and a user profile created by a method specified in ~~claim 29~~ claim 45, comprising:

filtering

a user history which is used to create the user profile, and/or

the user profile, and/or

the suggestion results,

based on an actual situation of said user represented on the basis of user features that represent a typical general behaviour of an individual user in respect to said application where said user profile is used.

Claim 48 (Currently Amended): The method according to ~~claim 29~~ claim 45, wherein said general key structure includes a forgetting factor.

Claim 49 (Currently Amended): The method according to ~~claim 29~~ claim 45, wherein a future program comprises a stored personal contact.

Claim 50 (Currently Amended): The method according to ~~claim 29~~ claim 45, wherein said method is used in an audio/video program suggestion engine.

Claim 51 (Currently Amended): The method according to ~~claim 36~~ claim 50, wherein said audio/video program suggestion engine is internet based.

Claim 52 (Currently Amended): The method according to ~~claim 29~~ claim 45, wherein said method is client based.

Claim 53 (Currently Amended): A computer program product ~~concludes~~ including a computer storage medium, having computer readable instructions ~~instruction~~ that when executed on a processor perform the method as defined in ~~claim 29~~ claim 45, said processor being included in a computer, micro processor, or digital signal processor, of a home server, set-top-box, TV, VCR, or PDA.

Claim 54 (Currently Amended): A computer-implemented profiler to create a user profile that comprises a list of word-weight pairs, being configured to perform the method as defined in ~~claim 29~~ claim 45.

Claim 55 (Currently Amended): A suggestion engine to specify a suggestion for a next selection of a user, which suggestion is determined on the basis of suggestion results



which are computed of future program ~~description~~ descriptions and a user profile, configured to perform the method as defined in ~~claim 33~~ claim 47.

Claim 56 (Currently Amended): A suggestion engine according to ~~claim 43~~ claim 55, including a profiler configured to perform computing the weights based on user features that represent a typical general behaviour of an individual user in respect to the application where said user profile is used.